

80 PLUS Verification and Testing Report

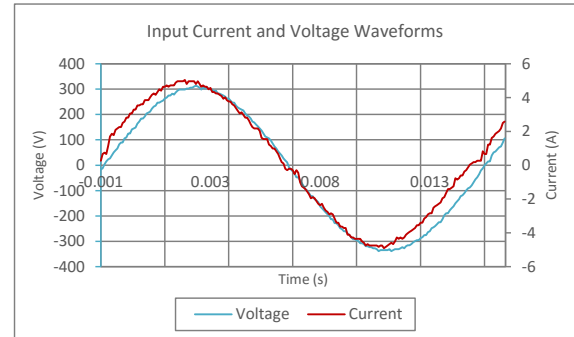
TYPICAL EFFICIENCY (50% Load):	94.44%
AVERAGE EFFICIENCY :	92.47%
80 PLUS COMPLIANT:	YES



ID Number	SO-1364
Manufacturer	Sea Sonic Electronics Co.,Ltd.
Model Number	S1M-142CGP2
Serial Number	CW09A83470010
Year	2017
Type	1U
Test Date	01/26/18

Rated Specifications	Value	Units
Input Voltage	100-127 / 200-240	Volts
Input Current	13 / 8.8	Amps
Input Frequency	50-60	Hz
Rated Output Power	1,400	Watts

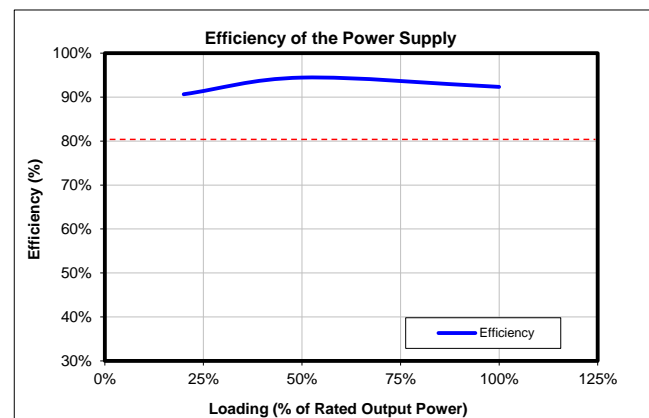
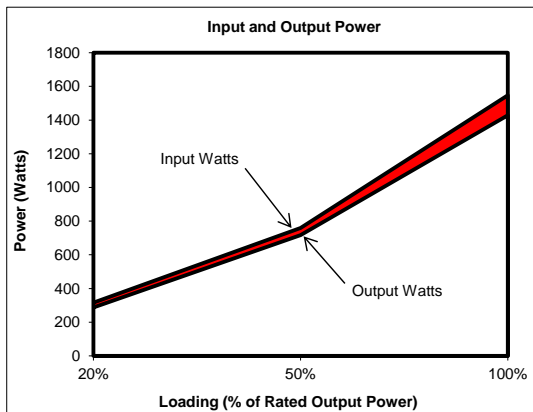
Note: All measurements were taken with input voltage at 230 V nominal and 60 Hz.



Input AC Current Waveform (ITHD = 4.4%, 50% Load)

I _{RMS}	PF	I _{THD}	Load	Fraction of Load	Input Watts	External Fan (W)*	DC Terminal Voltage (V)/ DC Load Current (A)		Output Watts	Efficiency
							12V	12Vsb		
0.78	0.92	7.00%	10%	Low	166	1.56	12.29/11.49	12.06/0.21	144	86.65%
1.50	0.92	7.73%	20%	Light	317	2.40	12.28/22.97	12.04/0.42	287	90.65%
3.37	0.98	4.40%	50%	Typical	759	6.00	12.27/57.44	12.01/1.04	717	94.44%
6.78	0.99	2.92%	100%	Full	1547	19.56	12.22/114.87	11.96/2.07	1428	92.33%

* Fan power is not included in the efficiency calculations



These tests were conducted by a third party independent testing firm on behalf of the 80 PLUS® Program. 80 PLUS is a certification program to promote highly-efficient power supplies (greater than 80% efficiency in the active mode) in technology applications. <http://www.80plus.org/>

